

Amendments to the Claims

This listing of claims will replace all prior listings of claims in the application.

Listing of Claims

1. Canceled.

2. (Previously Presented) The polarized light color filter according to claim 23, wherein a first wide-band polarization spectroscopic element for reflecting the S-polarized light component of the incident light over the whole range of visible light while transmitting the P-polarized light component, is provided on an incident light side of the first polarized light converting element.

3. (Currently Amended) The polarized light color filter according to claim 23, wherein a first wide-band polarization spectroscopic element for reflecting the S-polarized component of the incident light over the whole range of visible light while transmitting the P-polarized light component, is provided on an incident light side of the first polarized light converting element and a fourth polarized light converting element for selectively emitting polarized incident light thereon after either changing the polarity of the polarized incident light or leaving the polarity of the polarized incident light unchanged according to a voltage applied to the fourth polarized light converting element, is provided on an emission side of the third polarization spectroscopic element.

4. (Currently Amended) The polarized light color filter according to claim 23, comprising a first wide-band polarization spectroscopic element for reflecting the S-polarized light component of the incident light over the

whole range of visible light while transmitting the P-polarized light component, is provided on an incident light side of the first polarized light converting element and a fourth polarized light converting element for selectively emitting polarized incident light thereon after either changing the polarity of the polarized incident light or leaving the polarity of the polarized incident light unchanged according to a voltage applied to the fourth polarized light converting element and a second wide-band polarization spectroscopic element for reflecting the S-polarized light component of the incident light while transmitting the P-polarized light component over the whole range of visible light, are provided on an emission side of the third polarized light converting element.

5. (Previously Presented) The polarized light color filter according to claim 23, wherein the first, second and third polarized light converting elements and the first, second and third narrow-band polarization spectroscopic elements are formed on a transparent substrate.

6. (Previously Presented) The polarized light color filter according to claim 23, wherein the first, second and third polarized light converting elements and the first, second and third narrow-band polarization spectroscopic elements are interposed between inclined surfaces of two of triangular prisms which form a rectangular parallelepiped when joined by their respective inclined surfaces.

7. (Previously Presented) The polarized light color filter according to claim 23, wherein the first, second and third polarized light converting elements and the first, second and third narrow-band polarization spectroscopic elements are provided on an inclined surface of a triangular prism.

8. (Previously Presented) The polarized light color filter according to claim 2, wherein the first, second and third polarized light converting elements, the first, second and third narrow-band polarization spectroscopic elements and the first wide-band polarization spectroscopic element are formed on a transparent substrate.

9. (Previously Presented) The polarized light color filter according to claim 2, wherein the first, second and third polarized light converting elements, the first, second and third narrow-band polarization spectroscopic elements and the first wide-band polarization spectroscopic element are interposed between inclined surfaces of two triangular prisms which form a rectangular parallelepiped when joined by their inclined surfaces.

10. (Previously Presented) The polarized light color filter according to claim 2, wherein the first, second and third polarized light converting elements, the first, second and third narrow-band polarization spectroscopic elements and the first wide-band polarization spectroscopic element are provided on an inclined surface of a triangular prism.

11. (Previously Presented) The polarized light color filter according to claim 3, wherein the first, second, third and fourth polarized light converting elements, the first, second and third narrow-band polarization spectroscopic elements, and the first wide-band polarization spectroscopic element are formed on a transparent substrate.

12. (Previously Presented) The polarized light color filter according to claim 3, wherein the first, second, third and fourth polarized light converting elements, the first, second and third narrow-band polarization spectroscopic elements, and the first wide-band polarization spectroscopic elements are provided between inclined surfaces of two

triangular prisms which form a rectangular parallelepiped when joined by their inclined surfaces.

13. (Previously Presented) The polarized light color filter according to claim 3, wherein the first, second, third and fourth polarized light converting elements, the first, second and third narrow-band polarization spectroscopic elements, and the first wide-band polarization spectroscopic element are provided on an inclined surface of a triangular prism.

14. (Previously Presented) The polarized light color filter according to claim 4, wherein the first, second, third and fourth polarized light converting elements, the first, second and third narrow-band spectroscopic elements, and the first and second wide-band polarization spectroscopic elements are formed on a transparent substrate.

15. (Previously Presented) The polarized light color filter according to claim 4, wherein the first, second, third and fourth polarized light converting elements, the first, second and third narrow-band polarization spectroscopic elements, and the first and second wide-band polarization spectroscopic elements are interposed between inclined surfaces of two triangular prisms which form a rectangular parallelepiped when joined by their inclined surfaces.

16. (Previously Presented) The polarized light color filter according to claim 4, wherein the first, second, third and fourth polarized light converting elements, the first, second and third narrow-band polarization spectroscopic elements, and the first and second wide-band polarization spectroscopic elements are formed on an inclined surface of a triangular prism.

17. (Previously Presented) A video projector comprising the polarized color filter according to claim 5, wherein a reflection optical modulating element is provided on an emission side of said polarized light color filter; a projection lens is provided on a non-emission side of said polarized light color filter; the three primary lights are emitted to said reflection optical modulating element from said polarized light color filter and controlled on the time-division basis by controlling the voltages applied to the first, second and third polarized light converting elements.

18. (Previously Presented) A video projector comprising the polarized light color filter according to claim 5, wherein a sequential transmission optical modulating element and a projection lens are provided on an emission side of said polarized light color filter, and the voltages applied to the first, second and third polarized light converting elements are controlled so that the three primary lights are emitted to said sequential transmission optical modulating element from said polarized light color filter and controlled on the time-division basis.

19. (Previously Presented) A video projector comprising the polarized light color filter according to claim 14, wherein a reflection optical modulating element is provided on an emission side of said polarized light color filter, a projection lens is provided on a non-emission side, and the voltages applied to the first, second, third and fourth polarized light converting elements are controlled so that the three primary lights are emitted to said reflection optical modulating element from said polarized light color filter and controlled on the time-division basis.

20. (Previously Presented) A video projector comprising the polarized light color filter according to claim 14, wherein a sequential transmission optical modulating element

and a projection lens are provided on an emission side of said polarized light color filter and the voltages applied to the first, second, third and fourth polarized light converting elements are controlled so that the three primary lights are emitted to said transmission optical modulating element and controlled on the time-division basis.

21. (Previously Presented) The video projector according to claim 19, wherein a $1/4$ wave plate and a total reflection mirror are sequentially provided on another emission side of the polarized light color filter.

22. (Previously Presented) The video projector according to claim 19, wherein a second reflection optical modulating element, having an identical structure with that of said reflection optical modulating element, is provided on another emission side of said polarized light color filter.

23. (Previously Presented) A polarized light color filter having an incident light side and an emitted light side and comprising, in order and at an angle to the incident light optical path, a first polarized light converting element provided adjacent the incident light side for selectively emitting polarized incident light thereon after either changing the polarity of the polarized incident light or leaving the polarity of the incident light unchanged according to a voltage applied to the first polarized light converting element, a first polarization spectroscopic element comprising a first narrow band polarization spectroscopic element for reflecting only the S-polarized light component out of a first primary light corresponding to a first primary color, a second polarized light converting element for selectively emitting polarized incident light thereon after either changing the polarity of the polarized incident light or leaving the polarity of the incident light unchanged according to a voltage applied to the second polarized light converting

element, a second polarization spectroscopic element comprising a second narrow band polarization spectroscopic element for reflecting only the S-polarized light component out of a second primary light corresponding to a second primary color, a third polarized light converting element for selectively emitting polarized incident light thereon after either changing the polarity of the polarized incident light or leaving the polarity of the incident light unchanged according to a voltage applied to the third polarized light converting element, a third polarization spectroscopic element comprising a third narrow band polarization spectroscopic element for reflecting only the S-polarized light component out of a third primary light corresponding to a third primary color and control means for applying a voltage on a time-divisional basis to the first, second and third polarized light converting elements.